

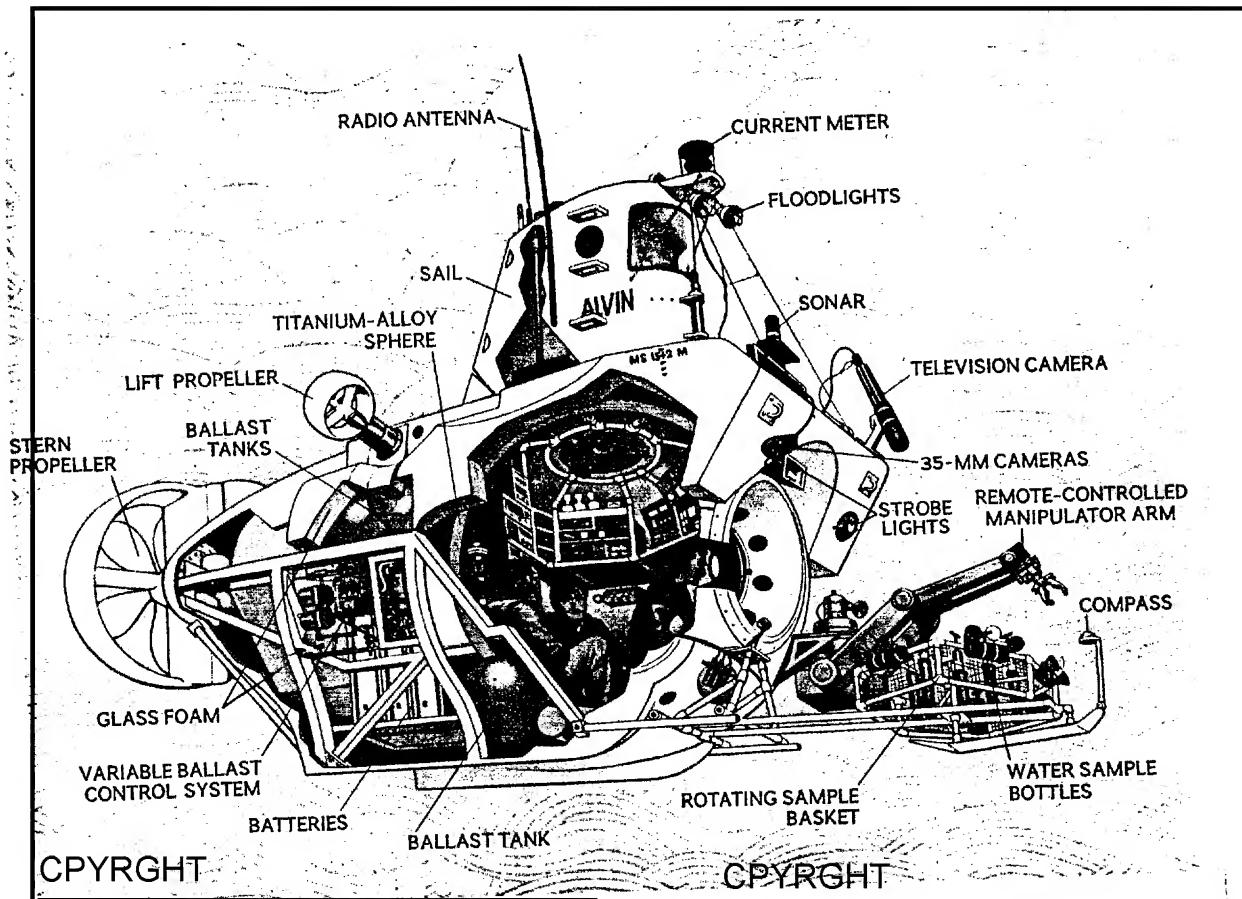
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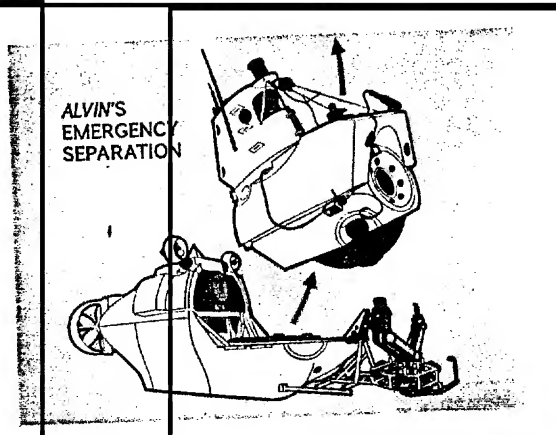
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CPYRGHT



Safety comes first, not comfort, in the manned submersibles that took part in FAMOUS. Each houses its passengers in a sphere, the best shape for withstanding extreme water pressure.

Alvin's new titanium-alloy sphere, only two inches thick, is identical to another that withstood pressure to 22,500 feet when tested by the Navy. Her self-contained variable ballast system (above) depends on pumping water in and out. Should *Alvin* become entangled, her passenger capsule and conning tower, or sail, can disengage and float to the surface (right center).



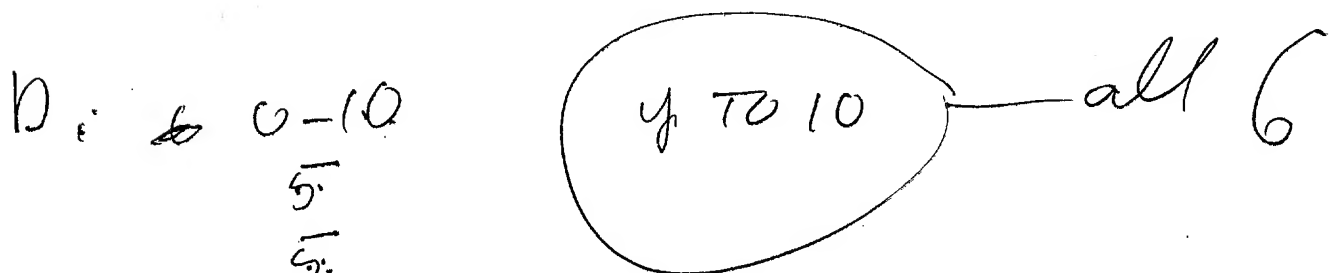
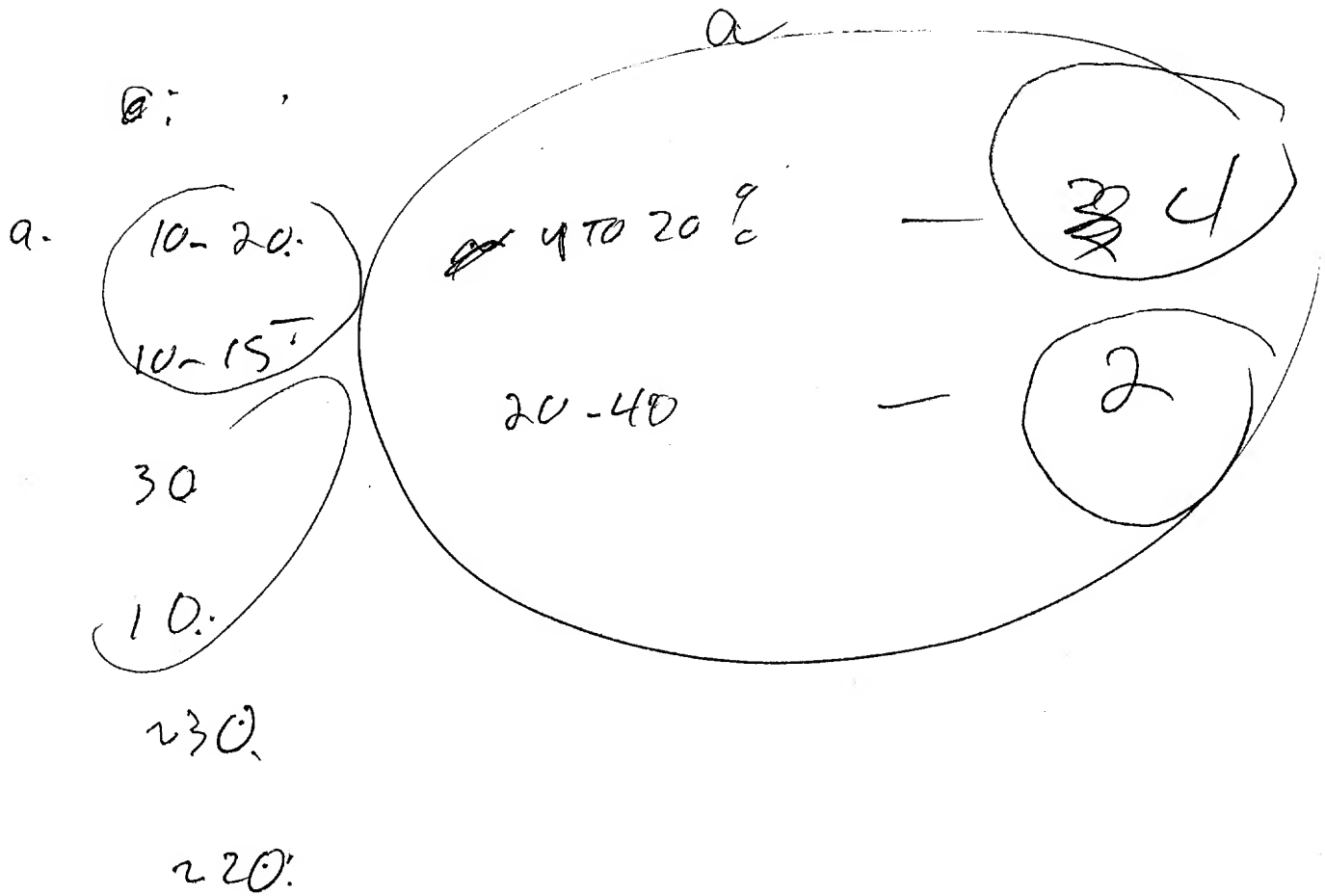
Concepts Generic
 Key Elements Value

- o Water
- o Object / Structure
- o Spherical
- o Motion / Propulsion
- o Hard Metal

— Analytical Labels

- o Submersible / Submarine
- o Underwater
- o Propulsion
- o Crew

o Phenomena 'Alma'



049

a.

10-20

b.

0-10

(5)

18 a. 10

- b. 10

079

a.

10-15

b.

0-2

(5)

002

a.

2-3

b.

~5-10

052

a.

30

b.

< 5

025

a.

~20 to 20

b.

10
~5-10

5-10?